

Publications in Q1 Journals (from 2017 – till date)

Sno	Authors	title	Journal	Year	Vol	Pages Start	Pages end	Impact Factor	Scopus Indexed	SJR
1	Aiki, T., Timoshin, S.A.	Relaxation for a control problem in concrete carbonation modeling	SIAM Journal on Control and Optimization	2017	55	3489	3502	1.99	Indexed	Q1
2	Reddy,S.G., Kumar, V., Miyamoto, Y., Singh, R.P.	Scattering of Poincare beams: Polarization speckles	Optics Express	2017	25	19886	-	3.56	Indexed	Q1
3	Pothikumar, R., Sujatha, C., Namitharan, K.	Transition-Metal-Free in Situ Generation of Terminal Alkenes: Synthesis of Multisubstituted Acrylamidines via Tandem sp ³ C-H Olefination/sp ² C-H Arylation Reactions	ACS Catalysis	2017	7	7783	7787	12.22	Indexed	Q1
4	Patel, R., Park, J.T., Patel, M., Dash, J.K., Gowd, E.B., Karpoomath, R., Mishra, A., Kwak, J., Kim, J.H.	Transition-metal-based layered double hydroxides tailored for energy conversion and storage	Journal of Materials Chemistry A	2017	6	12	29	10.73	Indexed	Q1
5	Timoshin, S.A.	Bang-bang control of a thermostat with nonconstant cooling power	ESAIM - Control, Optimisation and Calculus of Variations	2018	24	709	719	1.3	Indexed	Q1
6	Swaminathan, S., Sommers, B.D., Thorsness, R., Mehrotra, R., Lee, Y., Trivedi, A.N.	Association of Medicaid Expansion with 1-Year Mortality among Patients with End-Stage Renal Disease	JAMA - Journal of the American Medical Association	2018	320	2242	2250	51.27	Indexed	Q1
7	Sreenivasulu, T., Bhowmick, K., Samad,	Photonic crystal ring resonator-based four-channel dense	Optical Engineering	2018	57	-	-	1.21	Indexed	Q1

	S.A., Yadunath, T.I.R., Badrinarayana, T., Hegde, G., Srinivas, T.	wavelength division multiplexing demultiplexer on silicon on insulator platform: Design and analysis								
8	Dutta, P.K., Sen, S.	(Benz)Imidazole-Directed Cobalt(III)-Catalyzed C–H Activation of Arenes: A Facile Strategy to Access Polyheteroarenes by Oxidative Annulation	European Journal of Organic Chemistry	2018	2018	5512	5519	3.03	Indexed	Q1
9	Chauhan, J., Dasgupta, M., Luthra, T., Awasthi, A., Tripathy, S., Banerjee, A., Paul, S., Nag, D., Chakrabarti, S., Chakrabarti, G., Sen, S.	Design, synthesis and biological evaluation of a novel library of antimitotic C²- aroyl/arylimino tryptamine derivatives that are also potent inhibitors of indoleamine-2, 3- dioxygenase (IDO)	European Journal of Pharmaceutica l Sciences	2018	124	249	265	3.53	Indexed	Q1
10	Liao, H., Xiao, C., Ravva, M.K., Wang, Y., Little, M., Jenart, M.V.C., Onwubiko, A., Li, Z., Wang, Z., Brédas, J.-L., McCulloch, I., Yue, W.	Synthesis and properties of isoindigo and benzo[1,2-: B:4,5-b 'bis [b] benzothiophene oligomers	Chemical Communicatio ns	2018	54	11152	11155	6.16	Indexed	Q1
11	Sujatha, C., Bhatt, C.S., Ravva, M.K., Suresh, A.K., Namitharan, K.	Copper-Catalyzed Ring- Expansion Cascade of Azirines with Alkynes: Synthesis of Multisubstituted Pyridines at Room Temperature	Organic Letters	2018	20	3241	3244	6.56	Indexed	Q1
12	Feßler, A.T., Schuenemann, R., Kadlec, K., Hensel, V., Brombach, J., Murugaiyan, J.,	Methicillin-resistant Staphylococcus aureus (MRSA) and methicillin-resistant Staphylococcus pseudintermedius (MRSP)	Veterinary Microbiology	2018	221	153	158	2.79	Indexed	Q1

	Oechtering, G., Burgener, I.A., Schwarz, S.	among employees and in the environment of a small animal hospital								
13	Bostick, C.D., Mukhopadhyay, S., Pecht, I., Sheves, M., Cahen, D., Lederman, D.	Protein bioelectronics: A review of what we do and do not know	Reports on Progress in Physics	2018	81	-	-	16.62	Indexed	Q1
14	Almeida, G., Ashton, O.J., Goldoni, L., Maggioni, D., Petralanda, U., Mishra, N., Akkerman, Q.A., Infante, I., Snaith, H.J., Manna, L.	The Phosphine Oxide Route toward Lead Halide Perovskite Nanocrystals	Journal of the American Chemical Society	2018	140	14878	14886	14.7	Indexed	Q1
15	Hari Balakrishnan, M., Sathriyan, K., Mannathan, S.	Nickel-Catalyzed Denitrogenative Cross-Coupling Reaction of 1,2,3- Benzotriazin-4(3 H)-ones with Organoboronic Acids: An Easy Access to Ortho-Arylated and Alkenylated Benzamides	Organic Letters	2018	20	3815	3818	6.56	Indexed	Q1
16	Maiti, Paramita; Guha, Puspendu; Singh, Ranveer; Dash, Jatis Kumar; Satyam, Parlapalli, V	Optical band gap, local work function and field emission properties of MBE grown beta- MoO ₃ nanoribbons	APPLIED SURFACE SCIENCE	2019	476	691	700	5.16	Indexed	Q1
17	Maricruz Rivera- Hernandez, Shailender Swaminathan, Rebecca Thorsness, BA, Yoojin Lee, Rajnish Mehrotra, Benjamin D. Sommers, Amal N. Trivedi	Trends in Mortality Among Patients Initiating Maintenance Dialysis in Puerto Rico Compared to US States	American Journal of Kidney Diseases	2019	-	-	-	6.65	Indexed	Q1
18	Deutschmann, Claudia; Sowa, Mandy;	Identification of Chitinase-3-Like Protein 1 as a Novel Neutrophil	JOURNAL OF CROHNS &	2019	13	894	904	7.83	Indexed	Q1

	Murugaiyan, Jayaseelan; Roesler, Uwe; Roeber, Nadja; Conrad, Karsten; Laass, Martin W.; Bogdanos, Dimitrios; Sipeki, Nora; Papp, Maria; Roediger, Stefan; Roggenbuck, Dirk; Schierack, Peter	Antigenic Target in Crohn's Disease	COLITIS							
19	Subrata Karmakar, Chetan D. Mistari, Vanshree Parey, Ranjit Thapa, Mahendra More, Dhruvananda Behera	Microporous Network of NiMn2O4 as Potent Cathode Materials for Electric Field Emission	Journal of Physics D: Applied Physics	2019	-	-	-	2.829	Indexed	Q1
20	J.H. Kim, C.Hyun, H.Kim, J. K. Dash, K.Lhm and G.-H Lee	Thickness-insensitive properties of α -MoO3 nanosheets by weak interlayer coupling	Nano Letters	2019	-	-	-	12.279	Indexed	Q1
21	M. V. Jyothirmai, Himanshu Saini, Noejung Park, and Ranjit Thapa	Screening of Suitable Cationic Dopants for Solar Absorber Material CZTS/Se: A first-principles study	Scientific Reports	2019	9	15983	-	4.01	Indexed	Q1
22	Toor, M., Kumar, SS., Malyan, SK., Bishnoi, NR., Mathimani, T., Rajendran, K., Pugazhendhi, A.	An overview on bioethanol production from lignocellulosic feedstocks	Chemosphere	2019	242	125080	-	5.11	Indexed	Q1
23	Yaping Yu, Ning Xue, Chengyi Xiao, Mahesh kumar Ravva, Yanjun Guo, Liyun Wu, Lei Zhang, Zhengke Li, Wan Yue, and Z-H Wang	Effect of Conjugated Length on the Properties of Fused Perylene Diimides with variable Isoindigos	Journal of Materials Chemistry C	2019	7	12263	12269	6.641	Indexed	Q1

24	Samsonyuk, O.N., Timoshin, S.A.	Optimal control problems with states of bounded variation and hysteresis	Journal of Global Optimization	2019	74	565	596	-	Indexed	Q1
25	A. Rajkamal, and Ranjit Thapa	Carbon Allotropes as Anode Material for Lithium-Ion Batteries,	Advanced Materials Technology	2019	4	1900307	-	5.395	Indexed	Q1
26	Paramita Banerjee, Ranjit Thapa, A. Rajkamal, K.R.S. Chandrakumar, and G.P. Das	First-principles Identification of The Origin for Higher Activity of Surface Doped Carbon Nanohorn: Impact on Hydrogen Storage	International Journal of Hydrogen Energy	2019	44	23196	23209	4.08	Indexed	Q1
27	Maricruz Rivera-Hernandez, Shailender Swaminathan, Rebecca Thorsness, BA, Yoojin Lee, Rajnish Mehrotra, Benjamin D. Sommers, Amal N. Trivedi	TRENDS IN MORTALITY AMONG INCIDENT PATIENTS WITH END-STAGE RENAL DISEASE IN PUERTO RICO COMPARED TO THE US, 2006 - 2015	American Journal of Kidney Diseases	2019	-	-	-	6.65	Indexed	Q1
28	Joshi, R., Subramanian, C., Swaminathan, S.	Are there social returns to education in developing countries? Evidence from Indonesia	Economic Development and Cultural Change	2019	67	315	332	2.04	Indexed	Q1
29	Chandra Shekar Bhatt, Bharathkumar Nagaraj, Deepanjan Ghosh, Ramasamy Suresh, Ranjit Thapa, Sreekar Babu Marpu and Anil Kumar Suresh	Core-composite mediated separation of diverse nanoparticles to purity	Soft Matter	2019	15	7787	7794	3.4	Indexed	Q1
30	Joy, Jil, Mahesh Jadhav, Disna Sahane, Deepak Davis, and Sheela Singh	Elemental effect on formation of solid solution phase in CoCrFeNiX and CoCuFeNiX (X= Ti, Zn, Si, Al) high entropy alloys	Materials Science and Technology	2019	35	1700	1707	1.94	Indexed	Q1

31	Davis, Deepak, A. Farhaan Shah, Bharat B. Panigrahi, and Sheela Singh	Effect of Cr ₂ AlC nanolamella addition on tribological properties of 5W-30 engine oil	Applied Surface Science	2019	493	1098	1105	5.16	Indexed	Q1
32	Dutta, P.K., Chauhan, J., Ravva, M.K., Sen, S.	Directing-group-assisted manganese-catalyzed cyclopropanation of indoles	Organic Letters	2019	21	2025	2028	6.56	Indexed	Q1
33	Dutta, P.K., Ravva, M.K., Sen, S.	Cobalt-Catalyzed, Hydroxyl-Assisted C-H Bond Functionalization: Access to Diversely Substituted Polycyclic Pyrans	Journal of Organic Chemistry	2019	84	1176	1184	4.75	Indexed	Q1
34	Luthra, T., Nayak, A.K., Bose, S., Chakrabarti, S., Gupta, A., Sen, S.	Indole based antimalarial compounds targeting the melatonin pathway: Their design, synthesis and biological evaluation	European Journal of Medicinal Chemistry	2019		11	27	4.83	Indexed	Q1
35	Rakesh Basant and Gitanjali Sen	Quota-Based Affirmative Action in Higher Education: Impact on Other Backward Classes in India	The Journal of Development Studies	2019	-	1	25	1.53	Indexed	Q1
36	Wang, Y., Xu, Y., Ravva, M.K., Yu, Y., Xiao, M., Xue, X., Yang, X., Chen, Y., Li, Z., Yue, W.	The synthesis and properties of a new class of π -expanded diketopyrrolopyrrole analogs and conjugated polymers	Organic Chemistry Frontiers	2019	6	2974	2980	5.08	Indexed	Q1
37	Subhabrata Sen, Jyoti Chauhan, Mahesh Kumar Ravva,	Harnessing autooxidation of aldehydes: In situ iodoarene catalysed synthesis of substituted 1, 3, 4-oxadiazole, in presence of molecular oxygen	Organic Letters	2019	21	6562	6565	6.56	Indexed	Q1
38	Hailiang Liao, chengyi xiao, Mahesh Kumar Ravva, Liping Yao, Yaping Yu, Yinghe Yang,	Fused Pyrazine and Carbazole-Containing Azaacenes: Synthesis and Properties	ChemPlusChem	2019	84	1257	1262	3.44	Indexed	Q1

	Weiming Zhang, Lei Zhang, Zhengke Li, Iain McCulloch, wan yue									
39	Haseena, S., Kumar, R.M., Rajapandian, V., Subramanian, V.	Interactions of thiol and alkoxy radical with coinage metal nanoclusters	Applied Surface Science	2019	487	1409	1419	5.16	Indexed	Q1
40	Karuthedath, S., Gorenflot, J., Firdaus, Y., Sit, W.-Y., Eisner, F., Seitkhan, A., Ravva, M.K., Anthopoulos, T.D., Laquai, F.	Charge and Triplet Exciton Generation in Neat PC<inf>70</inf>BM Films and Hybrid CuSCN:PC<inf>70</inf>BM Solar Cells	Advanced Energy Materials	2019	9	1802476	-	24.88	Indexed	Q1
41	Bose, A., Lin, R., Rajendran, K., O'Shea, R., Xia, A., & Murphy, J. D	How to optimise photosynthetic biogas upgrading: a perspective on system design and microalgae selection	Biotechnology Advances	2019	37	107444	-	12.83	Indexed	Q1
42	Dhamodharan, K., Varma, V.S., Veluchamy, C., Pugazhendhi, A., Rajendran, K.	Emission of volatile organic compounds from composting: A review on assessment, treatment and perspectives	Science of the Total Environment	2019	695	133725	-	5.59	Indexed	Q1
43	McDonagh, S., Deane, P., Rajendran, K., Murphy, J.D.	Are electrofuels a sustainable transport fuel? Analysis of the effect of controls on carbon, curtailment, and cost of hydrogen	Applied Energy	2019	247	716	730	8.43	Indexed	Q1
44	Awasthi, M.K., Sarsaiya, S., Wainaina, S., Rajendran, K., Kumar, S., Quan, W., Duan, Y., Awasthi, S.K., Chen, H., Pandey, A., Zhang, Z., Jain, A., Taherzadeh, M.J.	A critical review of organic manure biorefinery models toward sustainable circular bioeconomy: Technological challenges, advancements, innovations, and future perspectives	Renewable and Sustainable Energy Reviews	2019	111	115	131	10.56	Indexed	Q1

45	Reddy, S., Kumar, M., Panchagnula, J.S., Parchuri, P.K., Kumar, S.S., Ito, K., Sharma, A.	A new approach for attaining uniform properties in build direction in additive manufactured components through coupled thermal-hardness model	Journal of Manufacturing Processes	2019	40	46	58	3.462	Indexed	Q1
46	Nizami, T.K., Chakravarty, A., Mahanta, C.	Erratum to "Analysis and Experimental Investigation into a Finite Time Current Observer Based Adaptive Backstepping Control of Buck Converters"	Journal of the Franklin Institute	2019	356	4190	-	3.65	Indexed	Q1
47	Bredtmann, C.M., Krücken, J., Murugaiyan, J., Balard, A., Hofer, H., Kuzmina, T.A., von Samson-Himmelstjerna, G.	Concurrent Proteomic Fingerprinting and Molecular Analysis of Cyathostomins	Proteomics	2019	19	-	-	3.11	Indexed	Q1
48	Paternò, G.M., Mishra, N., Barker, A.J., Dang, Z., Lanzani, G., Manna, L., Petrozza, A.	Broadband Defects Emission and Enhanced Ligand Raman Scattering in OD Cs ₃ Bi ₂ Cl ₉ Colloidal Nanocrystals	Advanced Functional Materials	2019	29	1805299	-	15.62	Indexed	Q1
49	Nimai Mishra, and Vasavi Dutt Vankadaru	Recent Progress on Metal Chalcogenide Semiconductor Tetrapod-Shaped Colloidal Nanocrystals and their Applications in Optoelectronics	Chemistry of Materials	2019	-	-	-	10.16	Indexed	Q1
50	Madasamy, K., Kumaraguru, S., Sankar, V., Mannathan, S., Kathiresan, M.	A Zn based metal organic framework as a heterogeneous catalyst for C-C bond formation reactions	New Journal of Chemistry	2019	43	3795	3800	3.07	Indexed	Q1
51	Ibrahim Muhammad, Madasamy Hari	Potassium tert-Butoxide Mediated Aerobic Hydroxylation	New Journal of Chemistry	2019	43	11065	11068	3.07	Indexed	Q1

	Balakrishnan, Manickam Sasidharan and Subramaniyan Mannathan	of Arylboronic Acids to Phenols: An Application towards the Synthesis of (E)-Phenoxy Acrylates								
52	Rabey, P.K., Jammy, S.P., Bruce, P.J.K., Sandham, N.D.	Two-dimensional unsteadiness map of oblique shock wave/boundary layer interaction with sidewalls	Journal of Fluid Mechanics	2019	-	871R41	871R41	3.14	Indexed	Q1
53	Sassani, A., Arabzadeh, A., Ceylan, H., Kim, S., Gopalakrishnan, K., Taylor, P.C., Nahvi, A.	Polyurethane-carbon microfiber composite coating for electrical heating of concrete pavement surfaces	Heliyon	2019	5	e02359	-	0	Indexed	Q1
54	Kaya, O., Zhang, Y., Ceylan, H., Kim, S., Yang, S., Taylor, P., and Gopalakrishnan, K	Numerical analysis of longitudinal cracking in widened jointed plain concrete pavement systems	International Journal of Pavement Research and Technology	2019	12	277	287	0	Indexed	Q1
55	Notani, M.A., Arabzadeh, A., Ceylan, H., Kim, S., Gopalakrishnan, K.	Effect of Carbon-Fiber Properties on Volumetrics and Ohmic Heating of Electrically Conductive Asphalt Concrete	Journal of Materials in Civil Engineering	2019	31	4019200	-	1.98	Indexed	Q1
56	Das, B., Enduri, M.K., Kiyomi, M., Misra, N., Otachi, Y., Reddy, I.V., Yoshimura, S.	On structural parameterizations of firefighting	Theoretical Computer Science	2019	782	79	90	0.72	Indexed	Q1
57	Kim, J.H., Dash, J.K., Kwon, J., Hyun, C., Kim, H., Ji, E., Lee, G.-H.	Van der Waals epitaxial growth of single crystal α -MoO ₃ layers on layered materials growth templates	2D Materials	2019	6	015016	-	7.34	Indexed	Q1
58	Patel, R., Santhosh, M., Dash, J.K., Karpoornath, R., Jha, A., Kwak, J.,	Ile-Lys-Val-ala-Val (IKVAV) peptide for neuronal tissue engineering	Polymers for Advanced Technologies	2019	30	4	12	2.16	Indexed	Q1

	Patel, M., Kim, J.H.									
59	S. Biswas, M. Zaiser,	Avalanche dynamics in hierarchical fiber bundles	Phys. Rev. E	2019	100	022133	-	2.35	Indexed	Q1
60	Atik, F., Bapat, R.B., Rajesh Kannan, M.	Resistance matrices of graphs with matrix weights	Linear Algebra and Its Applications	2019	571	41	57	0.98	Indexed	Q1
61	Sangi, A.R., Alkathairi, M.S., Anamalamudi, S., Liu, J.	Cognitive AODV routing protocol with novel channel-route failure detection	Multimedia Tools and Applications	2019	-	1	18	2.1	Indexed	Q1
62	Ajitha, S. and Sivakumar, V.	The moderating role of age and gender on the attitude towards new luxury fashion brands	Journal of Fashion Marketing and Management: An International Journal	2019	23	440	465	1.65	Indexed	Q1
63	Siarhei Zhuka, Terence Kin Shun Wong, Shreyash Sudhakar Hadke, Stener Lie, Asim Guchhait, Yu Gao, Lydia Helena Wong, Shuying Cheng, Xinghui Wang, Goutam Kumar Dalapati	Molybdenum Incorporated Cu _{1.69} ZnSnS ₄ Kesterite Photovoltaic Devices with Bilayer Microstructure and Tunable Optical-Electronic Properties	Solar Energy	2019	-	-	-	4.67	Indexed	Q1
64	Sutharsan Govindarajan	A bacteriophage nucleus-like compartment shields DNA from CRISPR nucleases	Nature	2019	-	-	-	43.06	Indexed	Q1
65	Sengar, S.S.	Motion segmentation based surveillance video compression using adaptive particle swarm	Neural Computing and	2019	-	-	-	4.66	Indexed	Q1

		optimization	Applications							
66	S.Sasikumar, K.Georgy, M.Mukherjee, G.S.VinodKumar	Foam stabilization by aluminum powder	Materials Letters	2019	-	-	-	3.019	Indexed	Q1
67	K.M. Saradesh and G. S. VinodKumar	Metallurgical processes for hardening of 22Karat Gold for lightweight and high strength jewelry manufacturing	Journal of Materials Research & Technology	2019	-	-	-	3.32	Indexed	Q1
68	Sengar, S.S., Mukhopadhyay, S.	Moving object detection using statistical background subtraction in wavelet compressed domain	Multimedia Tools and Applications	2019				2.101	Indexed	Q1
69	Velayutham Sankar, Karthik Peramaiah, Bernardshaw Neppolian and Sivakumar Bitragunda	Metal-organic framework mediated expeditious synthesis of benzimidazole and benzothiazole derivatives through oxidative cyclization pathway	New Journal of Chemistry	2020	44	1071	-	3.069	Indexed	Q1
70	Himanshu Saini, M. V. Jyothirmai, Umesh V. Waghmare, Ranjit Thapa	Role of van der Waals interaction to enhance the photon absorption capability of MoS ₂ /2D heterostructure	Physical Chemistry Chemical Physics	2020	22	2275	-	3.567	Indexed	Q1
71	Hari Balakrishnan, M.; Mannathan, S.	Palladium/Copper-Catalyzed Denitrogenative Alkylidenation and ortho-Alkynylation Reaction of 1,2,3-Benzotriazin-4(3H)-ones	Org. Lett.,	2020	22	542	-	6.55	Indexed	Q1

72	Naidu M. Vegi, Sabyasachi Chakraborty, Maksymilian M. Zegota, Seah Ling Kuan, Anne Stumper, Vijay P. S. Rawat, Stefanie Sieste, Christian Buske, Sven Rau, Tanja Weil, Michaela Feuring-Buske	Somatostatin receptor mediated targeting of acute myeloid leukemia by photodynamic metal complexes for light induced apoptosis	Scientific Reports	2020	-	571	-	4.12	Indexed	Q1
73	Ke Huang, Liang Wu, Maoyu Wang, Nyayabanta Swain, M. Motapothula, Yongzheng Luo, Kun Han1, Mingfeng Chen, Chen Ye, Allen Jian Yang, Huan Xu, Dong-chen Qi, Alpha T. N'Diaye1, Christos Panagopoulos, Daniel Primetzhofer, Lei Shen, Pinaki Sengupta, Jing Ma, Zhenxing Feng, Ce-Wen Nan, and X. Renshaw Wang	Medium Energy Ion Scattering spectrometry for studying 3d/5d atomically sharp interfaces	Applied Physics Reviews	2020	-	-	-	12.75	Indexed	Q1
74	Goutam Kumar Dalapati, Lydia Helena Wong, and Frank Erich Osterloh	Research presented at Symposium P of the 10th International Conference of Materials and Advanced Technology (ICMAT 2019)	Journal of Materials Chemistry A	2020	-	-	-	10.73	Indexed	Q1

75	Karthik Rajendran, Durgamadhab Mahapatra, Arun Venkatesh Venkatraman, Shanmugaprakash Muthuswamy, Arivalagan Pugazhendhi	Advancing anaerobic digestion through two-stage processes: current developments and future trends	Renewable and Sustainable Energy Reviews	2020	123	109746		10.556	Indexed	Q1
76	Shreya Sarkar, Lakshay Dheer, C. P. Vinod, Ranjit Thapa, Umesh V. Waghmare and Sebastian C. Pete	Stress Induced Electronic Structure Modulation of Mnincorporated, Ni2P Leading to Enhanced Activity for Water-Splitting	ACS Applied Energy Materials	2020	-	-	-	0	Indexed	Q1
77	Karthikeyan Elumalai, Devender Kumar Yadav, Anupkumar Manpura	Stacking seismic data based on Ramanujan sums	IEEE Geoscience and Remote Sensing Letters	2020	-	-	-	3.53	Indexed	Q1
78	S Kanithan, N Arun Vignesh, E Karthikeyan, N Kumareshan	An Intelligent Energy Efficient Cooperative MIMO-AF Multi-hop and Relay based Communications for Unmanned Aerial Vehicles (UAVs) Networks	Computer Communications	2020	-	-	-	2.76	Indexed	Q1
79	Sujith Kalluri, Hyungyeon Cha, Junhyeok Kim, Hyomyung Lee, Haeseong Jang, Jaephil Cho	Building High-Rate Nickel-Rich Cathodes by Self-organization of Structurally Stable Macrovoid	Advanced Science	2020	-	-	-	15.8	Indexed	Q1

80	E S Erakulan, Mathan Kumar E, Puru Jena, Ranjit Thapa	B ₂ H ₆ splitting on catalytic surfaces and role of BH ₃ towards hydrogen spillover	Journal of Power Sources	2020	-	-	-	7.46	Indexed	Q1
81	Singh, L., Rana, S., Thakur, S., Pant, D.	Bioelectrofuel Synthesis by Nanoenzymes: Novel Alternatives to Conventional Enzymes	Trends in Biotechnology	2020	-	-	-	0	Indexed	Q1
82	Hota, T.K., Mishra, M.	Transient growth and symmetrizability in rectilinear miscible viscous fingering	Journal of Engineering Mathematics	2020	-	-	-	1.146	Indexed	Q1
83	Kalluri, S., Cha, H., Kim, J., Lee, H., Jang, H., Cho, J.	Building High-Rate Nickel-Rich Cathodes by Self-Organization of Structurally Stable Macrovoid	Advanced Science	2020	-	19028 44	-	15.804	Indexed	Q1
84	Li, C., Murugaiyan, J., Thomas, C., Alter, T., Riedel, C.	Isolate Specific Cold Response of <i>Yersinia enterocolitica</i> in Transcriptional, Proteomic, and Membrane Physiological Changes	Frontiers in Microbiology	2020	10	3037	-	4.259	Indexed	Q1
85	Zaied, B.K., Nasrullah, M., Siddique, M.N.I., Zularisam, A.W., Singh, L., Krishnan, S.	Co-digestion of palm oil mill effluent for enhanced biogas production in a solar assisted bioreactor: Supplementation with ammonium bicarbonate	Science of the Total Environment	2020	706	13609 5	-	5.589	Indexed	Q1
86	Huang, K., Wu, L., Wang, M., Swain, N., Motapothula, M., Luo, Y., Han, K., Chen, M., Ye,	Tailoring magnetic order via atomically stacking 3 d /5 d electrons to achieve high-performance spintronic devices	Applied Physics Reviews	2020	7	11401	-	12.750	Indexed	Q1

	C., Yang, A.J., Xu, H., Qi, D.-C., N'Diaye, A.T., Panagopoulos, C., Primetzhofer, D., Shen, L., Sengupta, P., Ma, J., Feng, Z., Nan, C.-W., Renshaw Wang, X.									
87	Mandal, S.	Monotonicity of the system function of a SISO FRI system with neutrality and ordering property preserving fuzzy implications	International Journal of Approximate Reasoning	2020	120	-	-	1.982	Indexed	Q1
88	Davis, D., Singh, S., Srivastava, M.	Influence of solid lubricants addition on the tribological properties of HVOF sprayed NiMoAl coating from 30 °C to 400 °C	Materials Letters	2020	266	127494	-	3.019	Indexed	Q1
89	Wang, L., Chen, Y., Long, F., Singh, L., Trujillo, S., Xiao, X., Liu, H.	Breaking the loop: Tackling homoacetogenesis by chloroform to halt hydrogen production-consumption loop in single chamber microbial electrolysis cells	Chemical Engineering Journal	2020	389	124436	-	8.355	Indexed	Q1
90	Kumar, D., Singh, A., Kumar, P., Uversky, V.N., Rao, C.D., Giri, R.	Understanding the penetrance of intrinsic protein disorder in rotavirus proteome	International Journal of Biological Macromolecules	2020	144	-	-	4.88	Indexed	Q1

91	Rahman, A.U., Ghosh, A., Chandra, A., Blumenstein, J., Mikulasek, T., Prokes A.	Time Variance of a 60 GHz Vehicular Infrastructure - to - Infrastructure Channel	IEEE JSAC	2020	-	-	-	9.3	Indexed	Q1
92	Juvid, M. M., Sarkar, S., Gogoi, P. K., Ghosh, S., Annamalai, M., Lin, Y. C., ... & Jani, H.	Direct Growth of Wafer-Scale, Transparent, p-Type Reduced-Graphene-Oxide-like Thin Films by Pulsed Laser Deposition	ACS Nano	2020	14	3290	3298	13.9	Indexed	Q1
93	Shukla, M. K., Nguyen, H. H., & Pandey, O. J.	Secrecy Performance Analysis of Two-Way Relay Non-Orthogonal Multiple Access Systems	IEEE Access	2020	8	39502	39512	4.09	Indexed	Q1
94	Mujral R.	Use of stories that aren't even true': reading Salman Rushdie's Haroun and the Sea of Stories and Luka and the Fire of Life	Textual Practice	2020	-	1	18	0	Indexed	Q1
95	Böhringer M, Murugaiyan J, Eravci M, Weise C, Roesler U, Neubauer H, Sprague MD	Treatment of Yersinia similis with the cationic lipid DOTAP enhances adhesion to and invasion into intestinal epithelial cells - A proof-of-principle study.	Biochem Biophys Res Commun	2020	525	378	383	2.705	Indexed	Q1

96	Hota, T. K., Mishra, M.	Transient growth and symmetrizability in rectilinear miscible viscous fingering	Journal of Engineering Mathematics	2020	120	111	128	1.146	Indexed	Q1
97	Iadarola, D. M., Ball, W. B., Trivedi, P. P., Fu, G., Nan, B., & Gohil, V. M.	Vps39 is required for ethanolamine-stimulated elevation in mitochondrial phosphatidylethanolamine.	BBA Mol Cell Biol Lipids	2020	-	-	-	5.321	Indexed	Q1
98	Pancha, I., Chokshi, K., Tanaka, K., & Imamura, S.	Microalgal Target of Rapamycin (TOR): A Central Regulatory Hub for Growth, Stress Response and Biomass Production	Plant and Cell Physiology	2020	-	-	-	3.929	Indexed	Q1
99	Zaied, B. K., Rashid, M., Nasrullah, M., Zularisam, A. W., Pant, D., & Singh, L.	A comprehensive review on contaminants removal from pharmaceutical wastewater by electrocoagulation process	Science of the Total Environment	2020	-	-	-	5.58	Indexed	Q1
100	Borges, A. L., Castro, B., Govindarajan, S., Solvik, T., Escalante, V., & Bondy-Denomy, J.	Bacterial alginate regulators and phage homologs repress CRISPR-Cas immunity	Nature Microbiology	2020	5	679	687	14.3	Indexed	Q1
101	Pandey, O. J.	Fault-Resilient Distributed Detection and Estimation over a SW-WSN Using LCMV Beamforming	IEEE Transactions in Network and Service Management	2020	-	-	-	4.68	Indexed	Q1

102	Sachi kumari, Salla Gangi Reddy, Vijay Kumar, R. P. Singh	Tunable ultraslow light propagation In Ruby	Optics Communications	2020	473	125913	-	1.961	Indexed	Q1
103	Sabyasachi Mukhopadhyay, Senthil Kumar Karuppanan, Cunlan Guo, Jerry A. Fereiro, Adam Bergren, Vineetha Mukundan, Xinkai Qiu, Olga E. Castañeda Ocampo, Xiaoping Chen, Ryan C. Chiechi, Richard McCreery, Israel Pecht, Mordechai Sheves, Rupali Reddy Pasula, Sierin Lim, Christian A. Nijhuis, Ayelet Vilan, David Cahen,	Solid-state protein charge transport: cross-laboratory study shows preservation of transport mechanism, with electronic coupling dictating efficiency	iScience	2020	-	-	-	0.00	Indexed	Q1
104	Puspendu Guha, Bishnupad Mohanty, Ranjit Thapa, R Kadam, P. Satyam, Bikash Kumar Jena	Defects Engineered MoO ₂ Nanostructures as an Efficient Electrocatalyst for Oxygen Evolution Reaction	ACS Applied Energy Materials	2020	-	-	-	0	Indexed	Q1
105	Murugaiyan, J.; Eravci, M.; Weise, C.; Roesler, U.; Sprague, L.D.; Neubauer, H.; Wareth, G	Pan-Proteomic Analysis and Elucidation of Protein Abundance among the Closely Related Brucella Species, Brucell	Biomolecules	2020	10	836		4.694		Q1

		a abortus and Brucella melitensis								
106	Mayra D. Goncalves, Aleksandra Mielewczyk-Gryn, Pardha S. Maram, Lukasz Kryscio, Maria Gazda and Alexandra Navrotsky	Systematic Water Uptake Energetics of Yttrium-doped Barium Zirconate-A High Resolution Thermochemical Study	J. Phys. Chem. C	2020				4.309		Q1
107	Jyoti Chauhan, Mahesh K. Ravva, Ludovic Gremaud, and Subhabrata Sen	Blue LED Mediated Intramolecular C–H Functionalization and Cyclopropanation of Tryptamines: Synthesis of Azepino[4, 5-b]indoles and Natural Product Inspired Polycyclic Indoles	Organic Letters	2020				6.555	Indexed	Q1
108	Anjana Tripathi, Chavana Hareesh, S. Sinthika, Gunther Andersson, Ranjit Thapa	CO Oxidation on Pt based Binary and Ternary Alloy Nanocatalysts: Reaction Pathways and Electronic Descriptor	Applied Surface Science	2020				5.15	Indexed	Q1
109	Yao, L.; Liao, H.; Ravva, M. K.; Guo, Y.; Duan, J.; Wang, Y.; Yu, Y.; Li, Z.; McCulloch, I.; Yue, W.	Metal-Free Polymerization: Synthesis and Properties of Fused Benzo[1,2- b :4,5- b ']Bis[b]Benzothiophene (BBBT) Polymers	Polym. Chem	2020	11	3695	3700	4.76	Indexed	Q1
110	Milan Palei, M Motapothula, Aniruddha Ray, Ahmed L Abdelhady , Luca	Photoluminescence Enhancement and High Accuracy Patterning of Lead Halide Perovskite Single Crystals by	Journal of Materials Chemistry C	2020	-	-	-	6.641	Indexed	Q1

	Lanzano , Mirko Prato , Jaya K. Panda , Alice Scarpellini, Vittorio Pellegrini, Daniel Primetzhofer, Urko Petalanda, Liberato Manna, Zhiya Dang	MeV Ion Beam Irradiation								
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